A1 SECURITY CAMERAS
The First Name in Security

dahua
TECHNOLOGY

# HCVR 16CH HD/ANA/IP 2SATA
## 16 Channel Tribrid 720P Digital Video Recorder

- Embedded Processor
- Supports 16 HDCVI/CVBS Inputs
- Supports 8 IP Inputs plus 16 IP Inputs for Live-view
- Max. 96 Mbps Incoming Bandwidth
- Up to 5 MP Resolution for Preview and Playback
- 2 HDD, Up to 12 TB
- Smart Search and Intelligent Video System (Optional)

## System Overview

The newest generation of Dahua digital video recorder adopts HDCVI technology, our proprietary technology for transmitting analog HD video over-coaxial-cable, allowing long-distance HD transmission at a lower cost to meet the requirements for a complex and large installation. The HCVR supports up to 16 channels of HDCVI/CVBS inputs, 8 IP channel inputs, an additional 16 channels for local live view channels, and 16 playback channels.

Designed for low-cost and easy installation, the HCVR is ideal for a wide range of applications such as public safety, retail store, transportation, home protection, and education. The HCVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems with or without a video management system (VMS); and the open architecture supports multi-user access and is compatible with ONVIF 2.4.1.

## Functions

### Smart H.264+
The Smart H.264+ Codec can reduce bit rate and storage requirements by 70% without having to invest in new cameras.

### HDCVI/CVBS Auto-detect
The HCVR automatically recognizes the incoming signal of the analog camera without any settings, making operation easy more convenient.

### 5 MP Resolution
The HCVR supports 5MP HD resolution (2560 x 1920) for recording and live viewing.

### Spot Output
The HCVR includes a spot output connection for a secondary monitor. This output allows an operator to view a monitor dedicated to selected cameras or video inputs from higher security areas.

### Intelligent Video System (IVS)
IVS is a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area. In addition to scene analytics, the multi-sensor camera supports face detection to quickly capture a face and upload the image to a server. The multi-sensor camera also offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

### Face Detection
The HCVR incorporates face detection technology to compare an image of a face to a database of images to identify individuals.

### Smart Search
Smart Search allows an operator to specify a region in the playback video to search for a motion detection event, saving time and manpower.

ONVIF

Available from A1 Security Cameras
www.a1securitycameras.com email: sales@a1securitycameras.com
www.dahuasecurity.com/en/us

A1 **SECURITY**CAMERAS
The First Name in Security

## Technical Specification

### System

| | |
|---|---|
| Main Processor | Embedded Processor |
| Operating System | Embedded LINUX |

### Display

| | |
|---|---|
| Interface | 1 HDMI, 1 VGA |
| Resolution | 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768 |
| Multi-screen Display | Spot |
| OSD | Camera title, Time, Video loss, Camera lock, Motion detection, Recording |

### Video Detection and Alarm

| | |
|---|---|
| Trigger Events | Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Camera Blank |

### Playback and Backup

| | |
|---|---|
| Sync Playback | 1/4/9/16 |
| Search Mode | Time /Date, Alarm, MD and Exact Search (accurate to second) |
| Playback Function | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom |
| Backup Mode | USB Device/Network/Internal SATA burner |

### Storage

| | |
|---|---|
| Internal HDD | 2 HDD, 12 TB |
| HDD Mode | Single |

### Auxiliary Interface

| | |
|---|---|
| USB | 2 USB Ports (1 USB 2.0 , 1 USB 3.0) |
| RS485 | 1 Port, for PTZ Control |

### Third-party Support

| | |
|---|---|
| Third-party Support | Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more |

### Audio and Video

| | |
|---|---|
| HDCVI Camera Inputs | 16 Channels |
| IP Camera Inputs | 24 Channels |
| Audio In/Out | 1/1 |
| Two-way Talk | 1 Channel Input, 1 Channel Output, RCA |

### Recording

| | |
|---|---|
| Compression | Smart H.264+ / H.264 |
| Resolution | 5MP, 4MP, 3MP, 1080p, 1080N, 720p |
| Record Rate | 96 Mbps |
| Bit Rate | 1 Kbps to 6144 Kbps per Channel |
| Record Mode | Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Camera Blank, Video Loss), Alarm, Stop |
| Record Interval | 1 to 120 min (default: 60 min), Pre-record: 1 to 30 s, Post-record: 10 to 300 s |

### Network

| | |
|---|---|
| Interface | 1 RJ-45 Port (1000 Mbps) |
| Network Function | HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS |
| Max. User Access | 128 users |
| Smart Phone | IOS and Android |
| Interoperability | ONVIF 2.4.1, CGI Conformant |

### Electrical

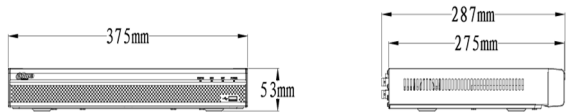| | |
|---|---|
| Power Supply | DC12V/4 A,  50/60 Hz |
| Power Consumption | <15 W (without HDD) |

### Environmental

| | |
|---|---|
| Operating Conditions | -10°C to +55°C (+14°F to +131°F), 86 to 106 kpa |
| Storage Conditions | -20°C to +70°C (-4°F to +158°F), 0 to 90% RH |

Available from A1 Security Cameras
www.dahuasecurity.com/es/
www.a1securitycameras.com email: sales@a1securitycameras.com

## Construction

| | |
|---|---|
| Dimensions | 1U, 375 mm × 285 mm × 55 mm (14.7 in. x 11.2 in. x 2.2 in.) |
| Net Weight | 1.5 kg (3.3 lb) (without HDD) |
| Gross Weight | 3 kg (6.62 lb) |
| Installation | Rack mount |

## Certifications

| | |
|---|---|
| Certifications | FCC: VFHKEM1603000306IT-R2 |
| | UL: E234884-A119-UL |

## Ordering Information

| Type | Part Number | Description |
|---|---|---|
| 16 Channel HCVR | DHI-HCVR52A16AN-S3 | 16 Channel 720P Digital Video Recorder |

**Dimensions (mm)**